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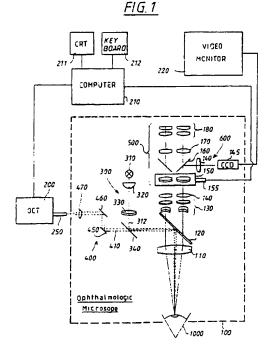
(51) Int. Cl.⁶: **G02B 21/24**, A61B 3/107

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(54) Optical coherence tomography assisted surgical apparatus

(57) Ophthalmologic surgical microscope which is combined internally with an optical coherence tomography ("OCT") apparatus wherein auto-focusing is provided by driving a motorized internal focusing lens of the ophthalmologic surgical microscope with a signal output from the OCT apparatus. An embodiment of the inventive ophthalmologic surgical microscope includes: (a) an optical coherence tomography ("OCT") apparatus; (b) a beamcombiner for internally coupling output from the OCT apparatus into the ophthalmologic surgical microscope; and (c) a motor for moving an internal focusing lens of the ophthalmologic surgical microscope in response to a signal from the OCT apparatus, whereby the ophthalmologic surgical microscope is auto-focused.



EP 0 697 611 A3



EUROPEAN SEARCH REPORT

Application Number EP 95 10 9894

		DERED TO BE RELEVA		
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<u></u>	The present search report has been	drawn up for all claims		
	Place of search	Onte of completion of the search	L	France
В	ERLIN	11 March 1996	von	Moers, F
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background		T: theory or princip E: earlier patent do	le underlying the i cument, but publis ate a the application	svention

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EUROPEAN SEARCH REPORT

Application Number EP 95 10 9894

Category	Citation of document with indi of relevant pass	cation, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL6)		
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CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background		E : earlier patent doci	T: theory or principle underlying the E: earlier patent document, but public			
		after the filing da D: document cited in	the application	the application		
		L: document cited for				
U: 000-1	rritten disclosure nediste document	4 : member of the sai	me patent family,	corresponding		

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European Patent

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EP 95109894

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	CLAIMS INCURRING FEES	
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The pres	sent European patent application comprised at the time of filing more than ten claims.	
	All claims lees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.	1
	Only part of the claims fees have been paid within the prescribed time limit. The present European search	
	report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,	
	namely claims:	
	No claims fees have been paid within the prescribed time limit. The present European search report has been	
	drawn up for the first ten claims.	
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		$\frac{1}{2}$
~ ~	ACK OF UNITY OF INVENTION	
٠.	ch Division considers that the present European patent application does not comply with the requirement of unity of and relates to several inventions or groups of inventions.	
namely:		
	1. Claims 1-14:	
	Optical coherence tomograph internally coupled to ophthal-	
	mologic surgical microscope.	
	2. Claims 15-22:	
	Optical coherence tomograph combined with surgical laser	
	apparatus.	
\boxtimes	All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.	
(-)	Only part of the further search fees have been paid within the fixed time limit. The present European search	
Ц	report has been drawn up for those parts of the European patent application which relate to the inventions in	
	respects of which search fees have been paid.	
	namely claims:	
	None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first	
	mentioned in the claims.	
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European Patent Office

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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of inversion and relates to several inversions or groups of inversions, namely:

1. Claims 1-14:

Optical coherence tomograph internally coupled to ophthalmologic surgical

microscope.

2. Claims 15-22:

Optical coherence tomograph combined with surgical laser apparatus.